

SEATTLE PUBLIC UTILITIES

2001 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Samples Collected: MAY 22, 2001

Cedar Distribution = South of the ship canal & lower elevations North of ship canal.

Tolt Distribution = Higher elevations North of the ship canal.

Water Quality Parameter	State Dept. of Health Maximum Contaminant Level	CEDAR	TOLT	Minimum Reporting Level
Primary Standards *	MCL			
Antimony	6 ug/L	ND	ND	3
Arsenic	50 ug/L	ND	ND	1.0
Asbestos \$	7 million fibers/L (>10um long)	ND	ND	0.2
Barium	2000 ug/L	ND	ND	5
Beryllium	4 ug/L	ND	ND	2
Cadmium	5 ug/L	ND	ND	0.5
Cyanide	200 ug/L	ND	ND	5.0
Chromium	100 ug/L	ND	ND	1.0
Fluoride	4 mg/L	0.98	1.01	0.1
Nickel	100 ug/L	ND	ND	10
Mercury	2 ug/L	ND	ND	0.1
Nitrate-Nitrogen	10 mg/L	0.04	0.18	0.01
Nitrite-Nitrogen	1 mg/L	ND	ND	0.002
Selenium	50 ug/L	ND	ND	3.0
Thallium	2 ug/L	ND	ND	2.0
Trihalomethanes, Total ~	100 ug/L	38.4	39.3	2.0
Turbidity, ^	5 NTU	0.49	0.13	0.05
Copper Lead	Residential Action Level			
	1300 ug/L @ 15 ug/L @	263 11.1	969 30.9	1 1.0
Secondary Standards **	MCL			
Chloride	250 mg/L	3.3	2.1	0.5
Color	15 std. units	ND	ND	5.0
Copper	1000 ug/L	ND	ND	1.0
Fluoride	2 mg/L	0.98	1.01	0.1
Iron	0.3 mg/L	0.03	0.02	0.004
Manganese	50 ug/L	3	2	1
Silver	100 ug/L	ND	ND	1.0
Solids, Total Dissolved	500 mg/L	46	35	10.0
Specific Conductance	700 umhos/cm	62.4	47.7	5.0
Sulfate	250 mg/L	1.2	1.7	0.01
Zinc	5 mg/L	ND	ND	0.02
Other Parameters	Units			
Alkalinity, Total (as CaCO3)	mg/L	16.1	11.4	2.0
Aluminum	ug/L	12	9	3.0
Calcium, (as CaCO3)	mg/L	20.5	19	2.0
Hardness, (as CaCO3)	mg/L	24.8	21.1	2.0
Hardness, (as CaCO3)	grains/gal.	1.43	1.22	0.1
Magnesium	mg/L	1.05	0.5	0.02
Oxygen, Dissolved	mg/L	11	17.5	2.0
pH, range ++	pH units	7.95 - 8.47	7.48 - 8.17	NA
Phosphorus, Total	ug/L	-	-	2.0
Potassium	mg/L	0.25	0.14	0.02
Silica, Reactive	mg/L	8.6	6.4	2.0
Sodium	mg/L	2.93	1.03	0.04
Temperature, annual range	deg. C.	5 - 20	5 - 20	NA
Total Organic Carbon	mg/L	1.03	1.13	0.1

@ Measured at 90th percentile of overnight standing residential samples from homes with copper pipes and lead service lines. Source waters were ND for copper & lead. ND = Not Detected at or above the Minimum Reporting Level

* Health stds.: Supplier subject to public notification

~ Average of the last 4 quarters testing, through 5/01.

** Aesthetic stds.: Supplier not subject to public notification

^ As measured at point of intake to distribution system.

\$ Test results 12/15/95 - analysis not required in 2

++ January-May 2001, 10-90th percentile